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FLUORESCENT CONVERSION FILTER AND MANUFACTURE THEREOF

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Abstract of JP9245511

PROBLEM TO BE SOLVED: To convert light in a plurality of specific regions, emitted from an emitter, high efficiently in good balance into emission of a plurality of specific regions, by arranging a plurality of fluorescent conversion films, emitting specific fluorescence, separately in a plane manner respectively on a transparent substrate. **SOLUTION:** Light in a blue or blue green color region is absorbed, a light hardening type or thermally hardening resist dissolving or dispersing emitting coloring matter of fluorescent pigment emitting fluorescence in a green color region is film molded on a transparent substrate, a resist film is formed. Next, after the light hardening resist film is exposed through a mask of a pattern, the film is developed, a pattern of the light hardening resist is formed, to be hardened by heat treating, a pattern of a fluorescent conversion film is formed. Light in a blue or blue green color region is absorbed, non-reaction resin dissolving or dispersing emitting coloring matter or fluorescent pigment emitting fluorescence in a red color region is film molded on a substrate, on an obtained non- reaction resin film a light soluble resist or the light hardening type resist film is film molded and layered. As a result, a prescribed fluorescent conversion filter can be safely manufactured.

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